

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081723\
 Data File : VY015180.D
 Acq On : 17 Aug 2023 18:26
 Operator : SY/MD
 Sample : 03975-06MS
 Misc : 7.56g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 NEVINS-SB03-Z96-98MS

Quant Time: Aug 18 00:56:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 08/18/2023
 Supervised By :Mahesh Dadoda 08/18/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	156005	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	268105	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	240163	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	123619	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	102300	54.627	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.260%			
35) Dibromofluoromethane	7.716	113	90137	52.259	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.520%			
50) Toluene-d8	10.179	98	323997	50.461	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.920%			
62) 4-Bromofluorobenzene	12.477	95	113510	48.402	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.800%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	31283	46.471	ug/l	98
3) Chloromethane	2.113	50	48437	52.153	ug/l	99
4) Vinyl Chloride	2.247	62	60262	48.544	ug/l	99
5) Bromomethane	2.637	94	51048	60.459	ug/l	100
6) Chloroethane	2.784	64	47176	52.343	ug/l	98
7) Trichlorofluoromethane	3.119	101	103192	49.333	ug/l	95
8) Diethyl Ether	3.527	74	42308	51.573	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.893	101	61722	47.478	ug/l	97
10) Methyl Iodide	4.082	142	57065	44.703	ug/l	98
11) Tert butyl alcohol	4.960	59	66650	213.830	ug/l #	81
12) 1,1-Dichloroethene	3.869	96	53923	49.674	ug/l	94
13) Acrolein	3.729	56	17040	113.835	ug/l	97
14) Allyl chloride	4.472	41	94624	49.165	ug/l	98
15) Acrylonitrile	5.161	53	146756	263.978	ug/l	98
16) Acetone	3.942	43	136643	223.353	ug/l	96
17) Carbon Disulfide	4.186	76	91538	47.915	ug/l	98
18) Methyl Acetate	4.472	43	129056	57.565	ug/l	92
19) Methyl tert-butyl Ether	5.216	73	259431	56.206	ug/l	99
20) Methylene Chloride	4.710	84	93829	65.288	ug/l	90
21) trans-1,2-Dichloroethene	5.216	96	63069	51.507	ug/l	91
22) Diisopropyl ether	6.118	45	253505	52.786	ug/l	91
23) Vinyl Acetate	6.057	43	505464m	176.390	ug/l	
24) 1,1-Dichloroethane	6.015	63	138493	53.266	ug/l	95
25) 2-Butanone	6.984	43	213035	245.938	ug/l	95
26) 2,2-Dichloropropane	6.984	77	111788	44.600	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	87893	52.547	ug/l	94
28) Bromochloromethane	7.332	49	62348	52.195	ug/l	97
29) Tetrahydrofuran	7.344	42	132787	256.371	ug/l	94
30) Chloroform	7.502	83	157693	54.103	ug/l	95
31) Cyclohexane	7.783	56	85094	50.918	ug/l	91
32) 1,1,1-Trichloroethane	7.697	97	129481	52.205	ug/l	99
36) 1,1-Dichloropropene	7.917	75	90495	47.424	ug/l	99
37) Ethyl Acetate	7.076	43	82785	46.543	ug/l	97
38) Carbon Tetrachloride	7.899	117	108024	47.834	ug/l	97
39) Methylcyclohexane	9.185	83	94413	44.136	ug/l	94
40) Benzene	8.161	78	291519	50.531	ug/l	99

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41) Methacrylonitrile	7.301	41	46737m	50.958	ug/l	
42) 1,2-Dichloroethane	8.234	62	106959	51.049	ug/l	96
43) Isopropyl Acetate	8.270	43	153846	47.497	ug/l	97
44) Trichloroethene	8.941	130	85671	51.545	ug/l	93
45) 1,2-Dichloropropane	9.215	63	82268	50.570	ug/l	98
46) Dibromomethane	9.301	93	53227	51.876	ug/l	96
47) Bromodichloromethane	9.496	83	128070	52.308	ug/l	98
48) Methyl methacrylate	9.289	41	73766	53.238	ug/l	95
49) 1,4-Dioxane	9.295	88	18746	913.671	ug/l #	56
51) 4-Methyl-2-Pentanone	10.069	43	472743	251.831	ug/l	95
52) Toluene	10.240	92	184885	48.622	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	123521	48.005	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	132955	49.063	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	80720	51.740	ug/l	95
56) Ethyl methacrylate	10.508	69	109582	47.995	ug/l	93
57) 1,3-Dichloropropane	10.788	76	130794	51.315	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	268729	252.910	ug/l	94
59) 2-Hexanone	10.831	43	348076	250.532	ug/l	94
60) Dibromochloromethane	10.983	129	95050	51.075	ug/l	97
61) 1,2-Dibromoethane	11.087	107	73614	49.670	ug/l	99
64) Tetrachloroethene	10.715	164	105359	62.968	ug/l	98
65) Chlorobenzene	11.514	112	215116	49.160	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	91534	51.554	ug/l	99
67) Ethyl Benzene	11.593	91	372804	48.626	ug/l	98
68) m/p-Xylenes	11.703	106	282462	97.003	ug/l	96
69) o-Xylene	12.026	106	143037	49.310	ug/l	98
70) Styrene	12.044	104	254409	50.674	ug/l	96
71) Bromoform	12.209	173	63915	49.659	ug/l #	100
73) Isopropylbenzene	12.331	105	379836	47.783	ug/l	100
74) N-amyl acetate	12.142	43	115357	40.194	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	98994	47.816	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	77071m	51.316	ug/l	
77) Bromobenzene	12.605	156	95640	49.360	ug/l	98
78) n-propylbenzene	12.672	91	445811	47.228	ug/l	100
79) 2-Chlorotoluene	12.757	91	258922	47.549	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	315105	47.555	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.373	75	31037	45.391	ug/l	99
82) 4-Chlorotoluene	12.855	91	269235	47.857	ug/l	98
83) tert-Butylbenzene	13.075	119	284049	46.867	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	318278	48.069	ug/l	99
85) sec-Butylbenzene	13.251	105	415797	46.823	ug/l	100
86) p-Isopropyltoluene	13.367	119	344793	46.831	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	186170	48.442	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	188961	49.021	ug/l	99
89) n-Butylbenzene	13.696	91	318755	45.918	ug/l	97
90) Hexachloroethane	13.958	117	68201	46.694	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	178527	49.726	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	19144	47.734	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	104892	45.508	ug/l	99
94) Hexachlorobutadiene	15.111	225	53416	42.605	ug/l	98
95) Naphthalene	15.233	128	292973	51.026	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	95785	46.015	ug/l	98

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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